

Thank you

Hello!

Thank you for purchasing this mini study. I hope you enjoy it!

Please use it for your family, your classroom or homeschool co-op, or to invite over the neighbor kids for a celebration. Keep it in your files and pull it out again for next Leap Year! You are free to make as many copies as you need for any use where you are teaching or personally present, but please don't give away the file, print copies for others, or sell it in part or in whole.

Check out the website at www.nodeskrequired.com for additional links and related activities.



Happy celebrating!
Rebekah

Leap Day

Most years February only has 28 days, but on a Leap Year we add an extra one at the end, giving it 29 days!



It takes approximately 365.242190 days for Earth to orbit the Sun. This means that we have roughly an extra quarter day each year that's not accounted for on our calendar. To make up for this, we add an extra day to the calendar every four years.

Did you know?

If a year is divisible by 100, but not also by 400, it will not be a Leap Year. This means that 2100, 2200, 2300 and 2500 will not be Leap Years.

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

The History of Leap Day

Leap Days were originally added to the Julian calendar in 45 B.C. by Julius Caesar. Years later, Pope Gregory XIII added the additional rule about years not divisible by 400. We still follow his Gregorian calendar today. Although they're credited with changing the calendars, both men got their ideas and advice from astronomers and prior civilizations.

Remember!

Thirty days hath September,
April, June, and November;
All the rest have thirty-one,
Excepting February alone.
To which we twenty-eight assign,
Till leap year gives it twenty-nine.

365 days "regular year"
366 days - Leap Year

Celebrate!

Leap Day only happens once every four years, so don't miss the opportunity to party! Whether you're celebrating with a group, or just your family, these activities and ideas will help you leap into a fun-filled day.

- Have a long jump challenge
- Compare how far you can leap to animals' leap lengths
- Memorize a poem about Leap Day
- Listen to *When You Had Left Our Pirate Fold* (from *Pirates of Penzance*)
- Ask Leap Day trivia questions
- Make a simple model of the Earth, Moon, and Sun

Use popping candy as sprinkles on cupcakes or cookies - they'll "leap" in your mouth when you take a bite!

Create a Time Capsule

Make a special time capsule to be opened next Leap Day.

Your time capsule can be an actual box filled with small items to represent the current world, along with special mementos to help you remember your favorite moments.

Or, it can be an envelope, with a letter to your future self, notes about your life now, and a handprint to see how much you grow over the next four years.

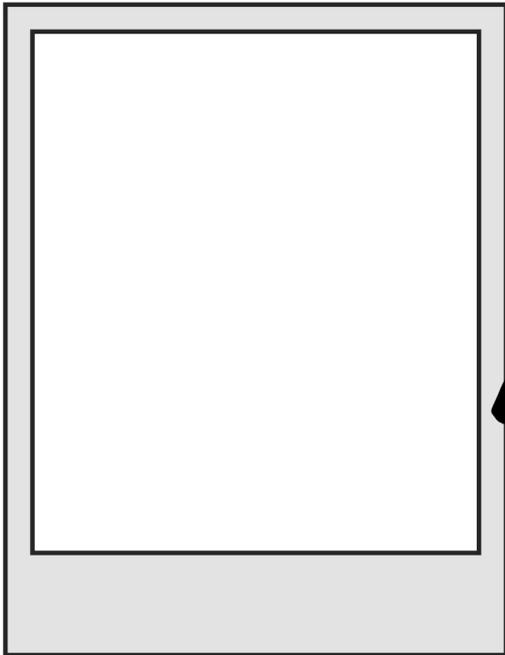
Put your time capsule in a safe place so you know where to find it next Leap Day!



Play Leap Frog!

Frogs are frequently associated with Leap Day. Did you know that there are over 7500 known species of frogs and toads?

ALL ABOUT ME



My name is _____

I am _____ years old.

I am _____ tall.

My Self Portrait!

A letter to my future self:

My top 5 favorites:

1. _____

2. _____

3. _____

4. _____

5. _____

Today's date is _____

LEAP DAY

Word Search

B T F A N T A S T I C V
F Y N Y C A E S A R L F
A E O E M E Y U X A X C
U I B Y I W I N T N I A
T M A R A T Q D K P H L
I C S O U D A V L X P E
F R O G L A O P J V R N
L L A E A K R P D J J D
P E S R Y I A Y A R A A
U R A G O E S B E B D R
P A D P L D E X T R A X
S U O R B I T G H R T E



CAESAR

POPE

GREGORY

LEAP

FROG

DAY

YEAR

ORBIT

SUN

FEBRUARY

CALENDAR

EXTRA

Cut these out and pop them into your child's lunchbox, hide them around the house for him to find, or mail them to a friend!

What's a frog's favorite day?



Leap Day!

What do you get when you cross a snake and a frog?



A jump rope!

What kind of music do frogs like to listen to?



Hip hop!



What kind of surgeries do frog doctors perform?



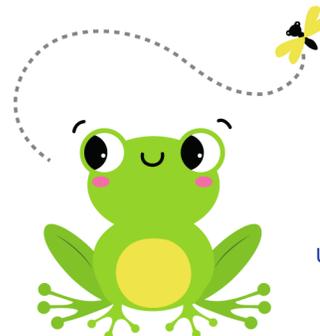
Hop-erations!

Tongue Twister
Try to say this five times fast!

Friendly frogs
frolic in
the flowers



What did one frog say to the other frog?



Time's fun when
you're
having flies!

Skip Counting

Fill in the missing numbers:

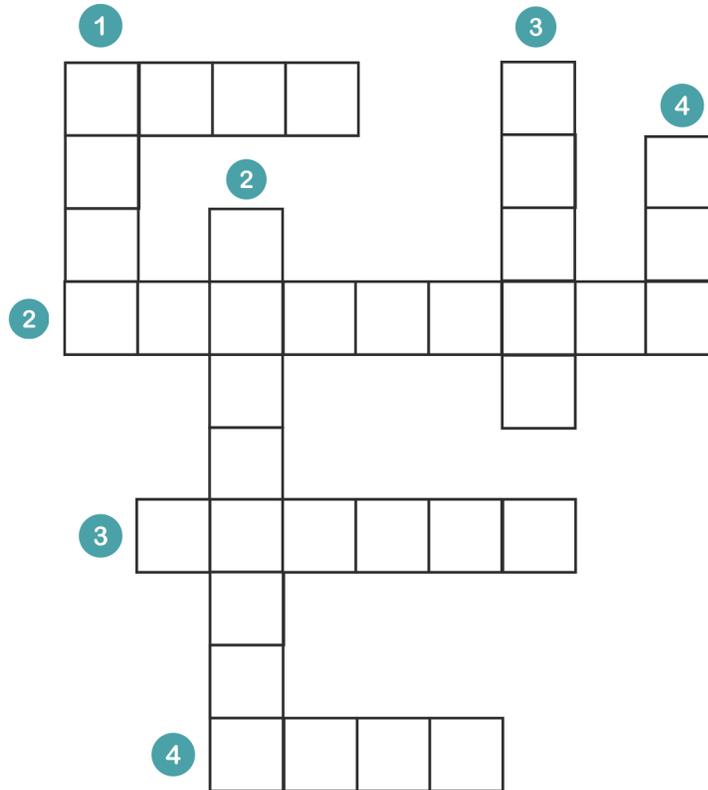
1	2	3		5
6	7		9	10
11		13	14	15
	17	18	19	

Skip count by 4's to fill in the missing numbers:

4				
---	--	--	--	--

Leap Year

CROSSWORD PUZZLE



Down

- 1 This animal is often associated with Leap Day.
- 2 Leap Day occurs in this month.
- 3 The path the earth takes around the sun is called its _____.
- 4 The celestial body earth orbits.

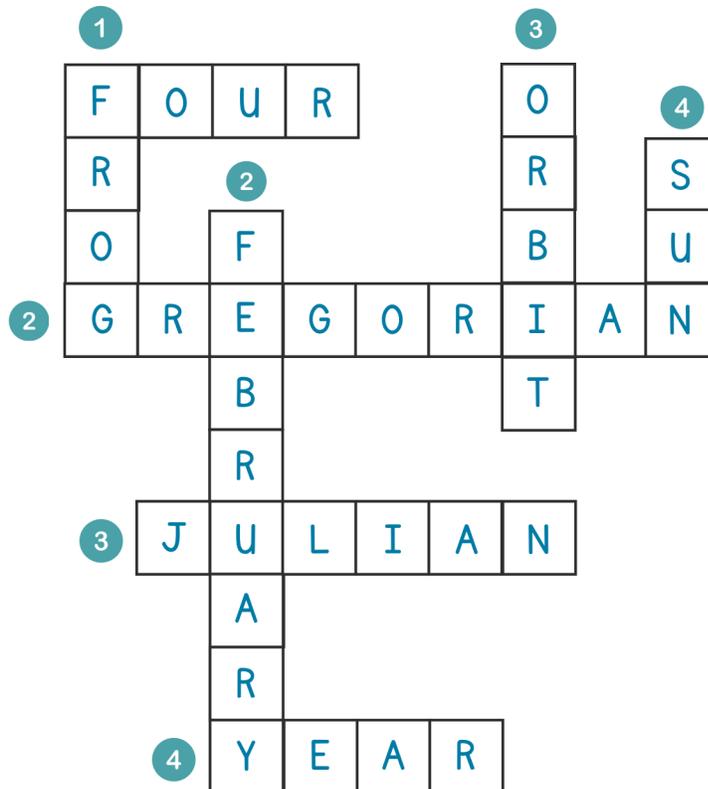
Across

- 1 Leap Day occurs every ____ years.
- 2 The calendar we still use today.
- 3 The calendar introduced by Julius Caesar.
- 4 Leap _____ is 366 days long.

Leap Year

CROSSWORD PUZZLE

ANSWER
KEY



Down

- 1 This animal is often associated with Leap Day.
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Across

- 1 Leap Day occurs every ____ years.
- 2 The calendar we still use today.
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- 4 Leap ____ is 366 days long.

In My Own Words . . .

Earth orbits . . .

Leap Year is . . .

I can leap . . .

Julius Caesar . . .

Something I learned . . .

This Leap Day I . . .